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CLAIMS

What is claimed is:

1. A portable computer including a main body and a monitor, in which a planar inverted F antenna (PIFA) is installed, the planar inverted F antenna comprising:

a ground plane;

a first radiator connected to the ground plane, spaced from the ground plane; and a second radiator connected to the first radiator, spaced from the first radiator, and having an end connected to an antenna cable.

- 2. The portable computer according to claim 1, wherein: the planar inverted F antenna is installed in an upper part of the monitor.
- 3. The portable computer according to claim 2, further comprising: a screw engaging the planar inverted F antenna with the upper part of the monitor.
- 4. The portable computer according to claim 2, wherein: the ground plane of the planar inverted F antenna is electrically grounded on a metal part of the upper part of the monitor.
 - 5. The portable computer according to claim 4, wherein the monitor comprises: an opening/closing part with a casing,

wherein the first radiator and the second radiator are respectively provided in the casing of the opening/closing part of the monitor.

6. The portable computer according to claim 1, wherein:

frequency bands of the first radiator and the second radiator are changed according to adjustment of at least one of a length of the first radiator, a length of the second radiator, and a gap between the first radiator and the second radiator.

- 7. The portable computer according to claim 1, wherein: the second radiator is disposed in parallel with a side of the first radiator.
- 8. A planar inverted F antenna comprising:

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· a ground plane;

a first radiator connected to the ground plane, with a predetermined separation from the ground plane;

a second radiator connected at a first end thereof to the first radiator; and an antenna cable connected to a second end of the second radiator.

- 9. The antenna according to claim 8, wherein: the antenna operates in more than two frequency bands.
- 10. The antenna according to claim 8, wherein: the first and second radiators are substantially parallel.
- 11. The antenna according to claim 8, wherein: the first radiator and the ground plane are substantially parallel.
- 12. The antenna according to claim 8, wherein: the ground plane, the first radiator, and the second radiator are integrally formed.
- 13. The antenna according to claim 8, wherein:

the frequency bands of the antenna are adjusted by adjusting at least one of a length of the first radiator, a length of the second radiator, and a gap between the first and second radiators.

- 14. The antenna according to claim 8, further comprising: an engaging part, with which to mount the antenna.
- 15. A portable computer comprising:
- a main body;
- a monitor; and
- a planar inverted F antenna installed in the monitor, the antenna having
 - a ground plane,
- a first radiator connected to the ground plane, with a predetermined separation from the ground plane,
 - a second radiator connected at a first end thereof to the first radiator, and

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an antenna cable connected to a second end of the second radiator.

16. The portable computer according to claim 15, wherein: the antenna operates in more than two frequency bands.

- 17. The portable computer according to claim 15, wherein: the first and second radiators are substantially parallel.
- 18. The portable computer according to claim 15, wherein: the first radiator and the ground plane are substantially parallel.
- 19. The portable computer according to claim 15, wherein: the ground plane, the first radiator, and the second radiator are integrally formed.
- 20. The portable computer according to claim 15, wherein:
 the frequency bands of the antenna are adjusted by adjusting at least one of a length of the first radiator, a length of the second radiator, and a gap between the first and second radiators.
- 21. The portable computer according to claim 15, wherein the antenna comprises an engaging part to mount the antenna to the monitor.
- 22. The portable computer according to claim 22, wherein: the engaging part has an opening, through which a fastener passes to mount the antenna to the monitor.
 - 23. The portable computer according to claim 15, wherein: the monitor comprises a metal part; and the ground plane is electrically grounded by contacting the metal part.
 - 24. The portable computer according to claim 15, further comprising: a latch part to open and close the monitor with respect to the main body, wherein the antenna is installed in the latch part.